

IGA Capital Project 5.03.16
Colorado Springs Stormwater Division

Prioritization Criteria (see notes below)

Project Name	Total Estimated Capital Cost (2016\$) ^{6) 7)}	Protect Public Safety/Property	Improve Failing Infrastructure	Enhance Community	Distribute Within the City	Enhance Sediment/Debris Capture	Reduce Sediment Generation/ Enhance Soil Stewardship	Improve Water Quality	Provide Detention	Project Description & Scope	Benefits of Project	Projected Project Dates
Sand Creek Pond 3	\$3,076,000			X		X	X	X	X	Construction of Sand Creek Detention Basin No. 3 Western Detention and Water Quality Pond (SCHEDULE A) and Sand Creek Inflow Drop Structure (SCHEDULE B)	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included. Sediment Generation: Stabilization of channel and/or grade control. Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time.	2016
FEMA Projects ¹⁾	\$2,081,000	X	X	X		X	X	X		TBD - City working with FEMA to prepare project worksheets. City is additionally working with Colorado Water Conservation Board to identify NRCS related projects.	Continued maintenance and repair of City stormwater system.Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Sediment Generation: Stabilization of channel and/or grade control Water Quality: removes pollutants (heavy metals, sediment, other chemicals...)	2016-2018
King Street Detention Pond (WWE CS-013)	\$250,000			X	X	X		X	X	Construct new outlet structure and improve maintenance access. Retrofit existing detention pond to make it a full spectrum detention pond. Retrofit outfall to provide improved water quality	Improve public safety and improve water quality to area and downstream users.Enhance Community:Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time.	2016-2017
Water Quality Project--America the Beautiful Park Detention Basin ²⁾	\$2,500,000			X		X		X	X	Consultant to be hired in 2016 to design a water quality pond in America the Beautiful Park (formerly Confluence Park). Hired consultant will work with Olympic Museum designer (Kiowa Engineering). \$500K budgeted each year in 2016-2020. Additional projects to be designed and constructed as additional locations are identified	Provide additional detention in developed downtown areas resulting in sediment reduction and improved water quality to area and downstream users.Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2016-2017
USAFA Drainages (Northgate Area)	\$2,000,000	X		X			X			Project involves channel stabilization of drainages that flow onto the USAFA, including design and construction of stabilization and grade control for Monument Branch from Interstate 25 to Voyager Parkway, approximately 4,500 linear feet.	Stabilize channels, resulting in sediment load reduction into Monument Creek. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	2016-2017
Emergency Stormwater Projects ³⁾	\$7,500,000	X	X	X						TBD - Repair of unplanned, emergency projects that arise over the course of a fiscal year	Continued maintenance of current City stormwater infrastructure. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Sediment Generation: Stabilization of channel and/or grade control Water Quality: removes pollutants (heavy metals, sediment, other chemicals...)	2016-2020
Fairfax Tributary Detention Pond (WWE CS-330)	\$398,000			X	X	X	X	X	X	Design and construct new detention pond west of Research Parkway and Powers Boulevard intersection	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2016-2017

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Downtown Drainage Improvements	\$2,250,000	X	X							Design and construct approximately 2,500 linear feet of storm sewer conveyance system along Pikes Peak Avenue from Nevada to Shooks Run. System to be designed to handle and convey a 100-year storm event.	Continued maintenance of current City stormwater infrastructure. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair	2016-2017
Sand Creek Stabilization south of Platte (WWE CS-018) ⁵⁾	\$5,290,000	X		X			X			Design, phase and install improvements to Sand Creek south of Platte Avenue Bridge based on the phasing plan. It is anticipated additional funds will be required to complete all phases of project.	Stabilize channel resulting in reduction of sediment transport into Sand Creek and ultimately into Fountain Creek. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	2016-2018
Cottonwood Creek Detention Basins (PR-2,6,7,9,11,14)	\$2,740,000					X	X	X	X	Design and construct the 7 detention ponds (identified as PR-2, PR-3, PR-6, PR-7, PR-9, PR-11 and PR-14) utilizing full spectrum detention where able.	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2017-2019
Rangewood Tributary Detention Pond (WWE CS-333)	\$750,000			X	X	X	X	X	X	Design and construction of new full spectrum detention and water quality pond west of Dublin Blvd.	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2017-2018
Storage Bridle Pass Drive Construct new pond to improve 2 yr flows (CS-332)	\$1,591,000			X	X	X	X	X	X	Design and construction of new full spectrum detention and water quality pond north of Bridle Pass Drive	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2017-2019
South Pine Creek Detention Pond (WWE CS-335)	\$461,000			X	X			X	X	Design and construct new detention pond in vacant parcel north of Lexington Drive and Bordeaux Drive intersection	Provide needed detention from area developments resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2018-2019
Citadel Mall Neighborhood Improvements (CS-374)	\$1,053,000	X	X	X						Design and install approximately 4,700 LF of 18" to 54" storm sewer along Chelton Road to Dale Street	Reduce flooding in area and improvement of area storm water conveyance. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity	2018-2019
North Chelton Road (CS-057)	\$1,370,000		X	X	X					Design and construction of a new storm sewer system for area.	Continued upgrade and maintenance of current City stormwater infrastructure. Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority	2018-2019
Camp Creek--Phase 1 (WWE CS-002 and CS-003) (Redefined) ⁴⁾	\$4,356,000	X	X	X				X		Wilson & Company to define a segment of Camp Creek that is most logical to construct and meets the target capital budget of \$4.25 and commence with design (to potentially include improvements between Chambers Street and Water Street)	Needed maintenance of current stormwater infrastructure and upstream channel through Garden of the Gods park, resulting in sediment reduction and improved water quality to area and downstream users along Fountain Creek. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	2018-2019

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Storage Wagner Park Detention - downstream of Bijou Detention Storage Required (CS-360)	\$704,000			X	X	X		X	X	Design and construction of new full spectrum detention pond	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	2018-2019
Storage Austin Bluffs Parkway upstream of Research (CS-331)	\$754,000			X	X	X		X	X	Design and construction of new full spectrum detention pond	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	TBD
Storage Cottonwood Park (west side) (CS-334)	\$3,768,000			X	X	X		X	X	Design and construction of new full spectrum detention pond.	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	TBD
Storage Sand Creek Detention Pond 2 Complete Detention Pond 2 on Sand Creek south of Barnes (CS-105)	\$1,025,000					X		X	X	Design and construction of existing detention pond expansion to 100-year flood event holding capacity	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time	TBD
Park Vista (Siferd Low Water Crossing) (CS-232)	\$3,750,000	X		X						Design channel and bridge improvements. The project will then include the construction of a new bridge to replace the Siferd Low Water Crossing.	Provide safer water crossing across roadway and improved stormwater conveyance in area. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity	TBD
CS-239 Grade Control Upper Hancock Channel - Hancock to Academy, 78+33 to	\$1,236,000					X	X			Design and construction of three (3) drop structures in Upper Hancock channel (Sand Creek drainage basin) between Hancock Road and Academy Boulevard	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
North Douglas Natural Channel	\$3,500,000	X	X				X	X		Project includes removal and reconstruction of channel sections in North and South Douglas Creek with excessive surface damage due large amounts of abrasive decomposed granite being conveyed. Studies prepared by Wilson & Co and Matrix	Continued maintenance of City stormwater conveyance channels and infrastructure; stormwater maintenance in area of Waldo Canyon burn scar. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair.	TBD
Galley Road Channel (WWE CS-258) Sand Creek between Galley and Platte Avenue	\$2,000,000	X		X			X			Design and construct bank stabilization and grade control structures along Sand Creek channel from Platte Avenue to Galley Road	Stabilize channel and banks, resulting in sediment load reduction through Sand Creek channel in eastern portion of City. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Monument Creek at Talemine (CS-011)	\$1,778,000	X		X			X			Design and construction of bank stabilization and grade control in identified area	Stabilize channel and banks, resulting in sediment load reduction through Monument Creek drainage basin in central portion of City above confluence with Fountain Creek. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Side Channel Sand Creek - segment 107, reach SC-5 1700lf channel stabilization (CS-261)	\$1,242,000	X		X			X			Design and construction of approximately 1,700 linear feet of channel stabilization measures along Sand Creek Barnes Road and Constitution Avenue.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD

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Grade Control Palmer Park Channel - Galley Rd. to Palmer Park, 300+00 to (CS-259)	\$6,594,000	X		X			X			Design and construction of 13 drop structures along Sand Creek channel between Galley Road and Palmer Park Road.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture	TBD	
Shooks Run Channel - Cache La Poudre St. to Patty Jewett Golf Course (CS-326)	\$3,500,000	X	X	X				X		Update to the Shooks Run Drainage Basin Planning Study is underway. City expects to have a preliminary list of projects and costs in early 2016. Allowance is designated for improvements that can be implemented once the study is complete.	Provide needed channel stabilization through the Shooks Run area which will result in sediment reduction to confluence with Fountain Creek and reduction in flooding potential in area. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD	
CS-265 Grade Control Sand Creek Upper West Fork - Maizeland to South Carefree 3 drop structures	\$420,000						X			Design and construction of three (3) drop structures.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
CS-254 Channel/Grade Control Sand Creek Upper West Fork - Galley to Murray 1730lf channel stabilization, 2 drop structures	\$2,006,000						X			Design and construction of 1,730 linear foot channel stabilization project including two (2) drop structures	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
CS-262 Channel/Grade Control Upper Sand Creek - W. Fork to Palmer Park Blvd. 1550lf channel stabilization, w/drop structures	\$1,192,000						X			Design and construction of 1,550 linear foot channel stabilization project including drop structures	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
CS-252 Channel Sand Creek Lower West Fork - Emory to Platte Ave. 1000lf channel stabilization	\$2,383,000						X			Design and construction of 1,000 linear foot channel stabilization project.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
CS-025 Channel/Grade Control Sand Creek West Fork - Main stem to Wooten Construct drop structures & streambank protection	\$2,206,000						X			Design and construction of channel stabilization measures including installation of drop structures and streambank protection.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
Channel/Grade Control Sand Creek (CS-040)	\$3,507,000	X		X			X			Design and construction of channel stabilization measures along Sand Creek between Karr Road and confluence with East and West Forks of Sand Creek.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
Channel/Grade Control Sand Creek (CS-039)	\$3,908,000	X		X			X			Design and construction of channel stabilization measures along Sand Creek between Fountain Boulevard and Airport Road.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
CS-246 Channel/Grade Control Sand Creek Lower Center Tributary - No Name to East Fork	\$458,000						X			Design and construction of 800 linear foot channel stabilization project with three (3) drop structures	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
Channel/Grade Control East Fork of Sand Creek (CS-041)	\$7,464,000	X		X			X			Design and construction of channel stabilization measures along Sand Creek between Powers Boulevard and confluence with mainstem of Sand Creek	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
Grade Control Fountain Blvd. Channel - Chelton Rd. to Fountain Blvd., (CS-243)	\$2,553,000	X		X			X			Design and construction of 3 drop structures along Sand Creek channel between Fountain Boulevard and Chelton Road	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
Grade Control Chelton Road Channel - Academy to Chelton, 96+97 (CS-241)	\$1,593,000	X		X			X			Design and construction of 2 drop structures along Sand Creek channel between Academy and Chelton Roads	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
CS-240 Channel/Storm Drain Lower Sand Creek Tributaries 2,3, and 4 - Main Stem to Academy	\$867,000						X			Design and construction of 500 linear foot channel stabilization project with 1,520 linear feet of storm drain installation along reach.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	
CS-238 Channel/Grade Control Lower Hancock Channel - Downstream 1500lf channel stabilization, 2 drop structures	\$1,247,000						X			Design and construction of 1,500 linear foot channel stabilization project with two (2) drop structures along Lower Hancock channel of Sand Creek drainage basin	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD	
CS-268 Channel/Grade Control Las Vegas St. Channel - ATSF RR to Peterson Fld Trib. 700lf channel stabilization, 2 drop structures	\$1,545,000						X			Design and construction of 700 linear foot channel stabilization project with two (2) drop structures along Las Vegas channel (Sand Creek drainage basin).	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD	

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CS-247 Channel/Grade Control Sand Creek Middle Center Tributary - Powers to No Name 300lf channel stabilization, 3 drop structures	\$175,000					X				Design and construction of 300 linear foot channel stabilization project with three (3) drop structures	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
CS-130 Channel Hancock Expressway Channel East of Astrozon Undermining of infrastructure.	\$72,000					X				Repair of existing facility	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture	TBD
Gold Medal Point Channel (WWE CS-339)	\$750,000	X		X		X				Design and construction of bank stabilization and grade control (drop structures) for 550 LF of existing channel.	Stabilize channel and banks, resulting in sediment load reduction through Cottonwood Creek drainage basin in eastern portion of City. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Channel/Grade Control Cottonwood Creek - Academy to Union Construct flood control and stream restoration projects (CS-004)	\$5,840,000	X		X		X				Design and construction of flood control and stream restoration projects along stretch of Cottonwood Creek between Union Boulevard and Academy Boulevard, including stabilization and construction of drop structures. (Portions of this work may have been completed since the issuance of this study).	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD
Channel/Grade Control Cottonwood Creek - Monument Creek to Academy Construct flood control and stream restoration projects. (CS-005)	\$13,232,000	X		X		X				Design and construction of flood control and stream restoration projects along stretch of Cottonwood Creek between Monument Creek and Academy Boulevard, including stabilization and construction of drop structures. (Portions of this work may have been completed since the issuance of this study).	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD
Channel/Grade Control Rangewood Channel - Main Stem to Balsam 7400lf channel stabilization, w/drop structures (CS-343)	\$5,066,000	X		X		X				Design and construction of 7,400 linear foot channel stabilization project with drop structures along main stem of Rangewood Channel.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD
Channel/Grade Control Cottonwood Creek - Rangewood to Woodmen 5300lf channel stabilization, w/drop structures (CS-337)	\$3,768,000	X		X		X				Design and construction of 7,400 linear foot channel stabilization project with drop structures along Cottonwood Creek between Rangewood Road and Woodmen Road	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Channel/Grade Control Fountain Creek - W. Cimmaron St. to N end of Drake Power (CS-306)	\$1,298,000	X		X		X				Design and construction of channel stabilization measures along Fountain Creek between West Cimmaron Street and North end of Drake Power Plant near I-25, including drop structure construction bank reconstruction	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Channel/Grade Control Fountain Creek - N end Drake Power Plant to south end of (CS-307)	\$1,941,000	X		X		X				Design and construction of channel stabilization measures along Fountain Creek between the north and south ends of the Drake Power Plant near I-25, including grade control and outfall reconstruction	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Fountain Creek - Drake Power Plant to Shooks Run (WWE CS-308 and CS-309)	\$2,250,000	X		X		X				Design and phasing of projects along Fountain Creek from Drake Power Plant to Shooks Run. Projects to include construction of bank stabilization and grade control structures	Stabilize channel and banks, resulting in sediment load reduction through Fountain Creek in central portion of City. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Channel/Grade Control Fountain Creek - Shooks Run to Fountain Mutual Canal Channel stabilization, 2 drop structures (CS-310)	\$11,854,000	X		X		X				Design and construction of channel stabilization measures along Fountain Creek between Shooks Run confluence and Fountain Mutual Canal, including drop structure construction and potential property acquisitions to complete scope of work.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD

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Channel/Grade Control Fountain Creek - Fountain Mutual Canal to US 24 Bypass Channel stabilization, 2 drop structures (CS-311)	\$9,921,000	X		X			X			Design and construction of channel stabilization measures along Fountain Creek between Fountain Mutual Canal and US Highway 24 bypass, including drop structure construction and potential property acquisitions to complete scope of work.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Channel/Grade Control Fountain Creek - US 24 Bypass to Spring Creek Channel stabilization, 2 drop structures (CS-312)	\$4,636,000	X		X			X			Design and construction of channel stabilization measures along Fountain Creek within the city limits between US Highway 24 and Spring Creek, including a drop safety evaluation and construction of at least 2 drop structures	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD
Channel/Grade Control Fountain Creek - Spring Creek to Mobile Home Park Channel stabilization, 3 drop structures (CS-313)	\$3,803,000	X		X			X			Design and construction of channel stabilization measures along Fountain Creek between Spring Creek confluence to the north and mobile home park to the south, including channel realignment and drop structure construction.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Channel/Grade Control Fountain Creek - Mobile Home Park to N end El Pomar Sports (CS-314)	\$4,235,000	X		X			X			Design and construction of channel stabilization measures along stretch of creek channel, along with construction of two drop structures, channel realignment in areas, brudge abutment protection, and bank protection	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Channel/Grade Control Fountain Creek - N end El Pomar Sports Park to S end El (CS-315)	\$4,551,000	X		X			X			Design and construction of channel stabilization measures along Fountain Creek adjacent to El Pomar Park with fomalization of existing drop structure	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Monument Creek Mobile Home Park (CS-139)	\$478,000	X		X			X			Design and construction of bank stabilization and grade control adjacent to the Monument Creek Mobile Home Park	Stabilize channel and banks, resulting in sediment load reduction through Monument Creek drainage basin in central portion of City above confluence with Fountain Creek. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Channel/Grade Control Chelton Dr. Channel - Chelton Dr to Airport Rd 2400lf channel stabilization, 2 drop structures (CS-359)	\$1,487,000	X		X			X			Design and construction of 2,400 linear foot channel stabilization project with two (2) drop structures along Chelton Drive channel (Spring Creek drainage basin) between Chelton Drive and Airport Road	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship	TBD
Pine Creek Outfall into Monument Creek (CS-047)	\$1,250,000	X		X			X			Design and construction of selective improvements to Pine Creek to protect the adjoining business, including stabilizing the south bank adjacent to the Margarita	Stabilize channel resulting in reduction of sediment transport into Monument Creek and ultimately into Fountain Creek. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Channel/Grade Control Templeton Gap Rd. Channel - Powers to Tutt 4400lf channel stabilization, w/drop structures (CS-342)	\$3,077,000	X		X			X			Design and construction of 4,400 linear feet of channel stabilization measures with drop structures east of Powers Boulevard, north of Dublin Boulevard.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD

Prioritization Criteria (see notes below)												
Project Name	Total Estimated Capital Cost (2016\$) ^{6) 7)}	Protect Public Safety/Property	Improve Failing Infrastructure	Enhance Community	Distribute Within the City	Enhance Sediment/Debris Capture	Reduce Sediment Generation/ Enhance Soil Stewardship	Improve Water Quality	Provide Detention	Project Description & Scope	Benefits of Project	Projected Project Dates
Storage Mount Woodmen Court Drainage Sedimentation pond outfalls directly onto private property (CS-064)	\$515,000	X	X					X		Repair of existing facilities.	Provide additional detention in surrounding developed area resulting in sediment reduction and improved water quality to area and downstream users. Enhance Community: Drainage becomes an amenity Sediment/Debris removal: debris/sediment basin is included Water Quality: removes pollutants (heavy metals, sediment, other chemicals...) Detention: Peak flows are reduced. Captured volume is released over time.	TBD
Shooks Run Improvements (CS-319 through CS-329 minus CS-326)	\$3,000,000	X	X	X				X		TBD - No specific improvements have been identified at this time	Provide needed channel stabilization through the Shooks Run area which will result in sediment reduction and reduction in flooding potential. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Shooks Run Channel - Bijou Street Culvert & Channel Stabilization (CS-054a)	\$1,500,000	X	X	X				X		Consultant to focus design and construction at this location and further south. The scope will include the stabilization of Shooks Run between Bijou Street and Pikes Peak Avenue.	Provide needed channel stabilization through the Shooks Run area which will result in sediment reduction into Fountain Creek and reduction in flooding potential in surrounding area. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Shooks Run Improvements - Phase 3 (CS-054b)	\$1,500,000	X	X	X				X		Consultant to focus design and construction efforts between Bijou Street and confluence with Fountain Creek. The scope will include the stabilization of Shooks Run from Pikes Peak Avenue to Fountain Creek.	Provide needed channel stabilization through the Shooks Run area which will result in sediment reduction into Fountain Creek and reduction in flooding potential in surrounding area. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Sediment Generation: Stabilization of channel and/or grade control	TBD
Old Annexation Drainage Improvements	\$2,800,000	X	X	X	X					TBD - City to hire a consultant to develop a prioritized phased plan for improvements along with recommended solutions and actual cost estimates	Improvement to localized stormwater drainage conveyance in areas of need. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority	TBD
Briargate Drainage Improvements (CS-344)	\$1,641,000	X	X	X						Replacement of existing infrastructure, including approximately 3,700 feet of storm drain construction between Goddard Street and Chapel Hills Drive	Continued maintenance of current City stormwater infrastructure. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Enhance Community: Drainage becomes an amenity	TBD
Skyway Area Improvements (CS-235 & CS-296)	\$457,000	X	X		X					replacement of 300' of 60" RCP along Halleys Court road in Bear Creek drainage basin and design and construction of 1,930 LF of 18" to 36" RCP storm drain with inlets farther to the northeast of Halleys Court road	Reduce localized flooding and improve stormwater conveyance in the southwestern Skyway neighborhood area. Public Safety/Property: Eliminates/reduces damage to public property Failing Infrastructure: Current drainage conveyance system is in need of immediate repair. Distribute within the City: Project is a neighborhood high priority	TBD

Prioritization Criteria (see notes below)												
Project Name	Total Estimated Capital Cost (2016\$) ^{6) 7)}	Protect Public Safety/Property	Improve Failing Infrastructure	Enhance Community	Distribute Within the City	Enhance Sediment/Debris Capture	Reduce Sediment Generation/ Enhance Soil Stewardship	Improve Water Quality	Provide Detention	Project Description & Scope	Benefits of Project	Projected Project Dates
Channel/Storm Drain Columbia Road Drainage (CS-045)	\$2,088,000	X	X	X						Design and construct upgraded and new storm sewer facilities in Columbia Road and upgraded channel improvements west of Columbia Road from approximately Arnold Drive to Fountain Creek.	Protect Public Safety and Property Enhance Community Enhance Sediment/Debris Capture Reduce Sediment Generation/Enhance Soil Stewardship.	TBD
Dry Creek Channel (WWE CS-007)	\$1,386,000	X		X	X					Project to re-establish capacity of the existing Dry Creek channel from Dairy Ranch Road to Carlson Drive in northwestern portion of City	Improvement to localized stormwater drainage conveyance in areas of need. Public Safety/Property: Eliminates/reduces damage to public property Enhance Community: Drainage becomes an amenity Distribute within the City: Project is a neighborhood high priority	TBD

Prioritization Criteria:

1. Protect local property and public safety
2. Repair/replace failing infrastructure
3. Improve appearance and/or enhance community
4. Distribute projects within the City

Both upstream and downstream benefits:

5. Enhance sediment/debris capture and control (e.g., debris basins)
6. Reduce sediment generation/Enhance soil stewardship (e.g., bank stabilization, channel stabilization, channel grade control, floodplain preservation/enhancement)
7. Improve water quality
8. Provide detention (i.e., reduce downstream flows)

Footnotes:

- 1) Total anticipated FEMA Grant City match portion through 2018: Budgeted \$1,081,000 (2016); \$500,000 (2017); \$500,000 (2018).
- 2) Total Capital Cost includes 5 detention ponds, one per year at \$500,000 each between 2016-2020. First pond to be initiated with America the Beautiful Park detention basin in 2016.
- 3) Emergency Stormwater Projects list total capital cost (2016-2020); budgeted at \$1.5 Million per year ongoing.
- 4) Additional channel lining removal projects along Camp Creek channel may be done as funding becomes available.
- 5) Funding for capital cost shown is FEMA grant funding and City grant match encumbered in 2015. No 2016 City capital contribution for this project.
- 6) See 2016 and 2016-2020 Project lists for additional detail on project funding.
- 7) Total estimated project capital cost is shown for each project. Total Stormwater Control Program yearly capital expenditures depend on the number of projects underway and the project phase(s) performed in a given year. Total yearly capital expenditures will be presented in the annual reporting of the City’s Stormwater Control Program performance.